

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5398	((366/307) or (366/302) or (366/306) or (366/603) or (366/314) or (366/318-324) or (241/101.76) or (241/101.761) or (241/101.8) or (241/260.1) or (241/605)).CCLS.	US-PGP UB; USPAT; USOCR; EPO; JPO; DERWE NT	OR	OFF	2006/06/05 14:57
L2	22	1 and @pd>"20060101"	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	ON	2006/06/05 15:00
L3	1167	b01f007/24	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	ON	2006/06/05 15:00
L4	119	3 and @py>"2004"	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	ON	2006/06/05 15:01

## EAST Search History

L5	24	(US-20040252583-\$ or US-20040008575-\$ or US-20030223308-\$ or US-20050169103-\$ or US-20050105390-\$).did. or (US-5590963-\$ or US-5647665-\$ or US-5082188-\$ or US-4593861-\$ or US-4607802-\$ or US-5505537-\$ or US-1466499-\$ or US-6328465-\$ or US-5601362-\$ or US-7040801-\$ or US-7004617-\$).did. or (GB-2310793-\$ or DE-4300548-\$ or DE-10140458-\$ or EP-1417999-\$).did. or (CA-2316092-\$ or CA-2190318-\$ or EP-1417999-\$ or US-20040008575-\$).did.	US-PGP UB; USPAT; EPO; DERWE NT	OR	ON	2006/06/05 16:34
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## EAST Search History

L6	22	(US-20050169103-\$ or US-20050105390-\$ or US-20040252583-\$ or US-20040008575-\$ or US-20030223308-\$).did. or (US-7040801-\$ or US-7004617-\$ or US-6328465-\$ or US-5647665-\$ or US-5601362-\$ or US-5590963-\$ or US-5505537-\$ or US-5082188-\$ or US-4607802-\$ or US-4593861-\$ or US-1466499-\$).did. or (EP-1417999-\$ or DE-10140458-\$ or GB-2310793-\$ or DE-4300548-\$).did. or (CA-2316092-\$ or CA-2190318-\$).did.	US-PGP UB; USPAT; EPO; DERWE NT	OR	ON	2006/06/05 16:36
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## EAST Search History

L7	175	("0424808"   "0450237"   "1466499"   "1879928"   "20010038573"   "20020021619"   "20020179757"   "20030169639"   "20030223308"   "20040008575"   "20040013035"   "20040090860"   "20050058017"   "20050063249"   "20050094488"   "20050099885"   "20050105390"   "20050169103"   "2016496"   "2542587"   "2626132"   "2648964"   "2659226"   "2746730"   "2830695"   "2836401"   "2997968"   "3129927"   "3133727"   "3197084"   "3208167"   "3214105"   "3251467"   "3252562"   "3323570"   "3339759"   "3580384"   "3584334"   "3610542"   "3667734"   "3672640"   "3675856"   "3721333"   "3729177"   "3749321"   "3782642"   "3797550"   "3797807"   "3820761"   "3997146"   "4003502"   "4026529"   "4048820"   "4142686"   "4171165"   "4185925"   "4214716"   "4227654"   "4310252"   "4325516"   "4362272"   "4395131"   "4413789"   "4432499"   "4469210"   "4477028"   "4506990"   "4535943"   "4538765"   "4593861"   "4697012"   "4697862"   "4707110"   "4725007"	US-PGP UB; USPAT; USOCR	OR	ON	2006/06/05 16:36
6/5/06 6:23:59 PM		Page 4				
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## EAST Search History

L8	23	(US-20040252583-\$ or US-20040008575-\$ or US-20030223308-\$ or US-20050169103-\$ or US-20050105390-\$).did. or (US-5590963-\$ or US-5647665-\$ or US-5082188-\$ or US-4725007-\$ or US-4593861-\$ or US-4607802-\$ or US-5505537-\$ or US-1466499-\$ or US-6328465-\$ or US-5601362-\$ or US-7040801-\$ or US-7004617-\$).did. or (GB-2310793-\$ or DE-4300548-\$ or DE-10140458-\$ or EP-1417999-\$).did. or (CA-2316092-\$ or CA-2190318-\$).did.	US-PGP UB; USPAT; EPO; DERWE NT	OR	ON	2006/06/05 16:42
L9	4	("5456416") or ("5590963") or ("5647665") or ("3997146").PN.	USPAT	OR	OFF	2006/06/05 16:43

## EAST Search History

L10	25	(US-20040252583-\$ or US-20040008575-\$ or US-20030223308-\$ or US-20050169103-\$ or US-20050105390-\$).did. or (US-5590963-\$ or US-5456416-\$ or US-5647665-\$ or US-3997146-\$ or US-5082188-\$ or US-4725007-\$ or US-4593861-\$ or US-4607802-\$ or US-5505537-\$ or US-1466499-\$ or US-6328465-\$ or US-5601362-\$ or US-7040801-\$ or US-7004617-\$).did. or (GB-2310793-\$ or DE-4300548-\$ or DE-10140458-\$ or EP-1417999-\$).did. or (CA-2316092-\$ or CA-2190318-\$).did.	US-PGP UB; USPAT; EPO; DERWE NT	OR	ON	2006/06/05 16:43
S1	1922	((366/307) or (366/302) or (366/306) or (366/603) or (366/314) or (366/318)).CCLS.	US-PGP UB; USPAT; USOCR; EPO; JPO; DERWE NT	OR	OFF	2005/11/18 13:08
S2	1	"6409377".URPN.	USPAT	OR	ON	2004/04/14 19:28

## EAST Search History

S3	11	("4003502"   "4593861"   "5020918"   "5175917"   "5240321"   "5429436"   "5456416"   "5553937"   "5553938"   "5590963"   "5647665"   "2001/0038573").PN.	USPAT	OR	ON	2004/04/14 19:29
S4	835	((366/307) or (366/302) or (366/306)).CCLS.	US-PGP UB; USPAT; USOCR; EPO; JPO; DERWE NT	OR	OFF	2003/10/02 16:49
S5	329	(366/605).CCLS.	US-PGP UB; USPAT; USOCR; EPO; JPO; DERWE NT	OR	OFF	2001/12/26 14:07
S6	190	(366/603).CCLS.	US-PGP UB; USPAT; USOCR; EPO; JPO; DERWE NT	OR	OFF	2001/12/26 14:07

## EAST Search History

S7	29	("2746730"   "2836401"   "3667734"   "3672640"   "3729177"   "3797807"   "3820761"   "3997146"   "4003502"   "4026529"   "4310252"   "4362272"   "4395131"   "4506990"   "4593861"   "4597672"   "4607802"   "4707140"   "4725007"   "4799800"   "4896970"   "4900158"   "5020918"   "5082188"   "5175917"   "5294064"   "5429436"   "5456416"   "5462354").PN.	USPAT	OR	OFF	2001/12/26 14:10
S8	6	("4003502"   "5020918"   "5082188"   "5175917"   "5429436"   "5462354"). PN.	USPAT	OR	OFF	2001/12/26 14:12
S9	6	("4003502"   "5020918"   "5082188"   "5175917"   "5429436"   "5462354"). PN.	USPAT	OR	OFF	2001/12/26 14:13
S1 0	14	("3156451"   "3970255"   "4003502"   "4106706"   "4188132"   "4607802"   "4838704"   "4938426"   "5020918"   "5082188"   "5175917"   "5207391"   "5240321"   "5379951"). PN.	USPAT	OR	OFF	2001/12/26 14:13



## EAST Search History

S1 1	34	("0212232"   "1760374"   "2676002"   "2786655"   "2800238"   "2815941"   "2825511"   "2864593"   "2894733"   "2896923"   "2980407"   "3133727"   "3263969"   "3667734"   "3780993"   "3997146"   "4003502"   "4092014"   "4134690"   "4432499"   "4474478"   "4509862"   "4607802"   "4765747"   "4984900"   "5020918"   "5072825"   "5082188"   "5143221"   "5143449"   "5154510"   "5175917"   "5240321"   "5294064"). PN.	USPAT	OR	OFF	2001/12/26 14:13
S1 2	33	("1466499"   "2746730"   "2836401"   "3667734"   "3672640"   "3729177"   "3797807"   "3820761"   "3997146"   "4026529"   "4310252"   "4362272"   "4395131"   "4506990"   "4535943"   "4538765"   "4593861"   "4597672"   "4607802"   "4707140"   "4725007"   "4799800"   "4896970"   "4900158"   "4984900"   "5020918"   "5051151"   "5082188"   "5294064"   "5429436"   "5456416"   "5462354"   "5505537").PN.	USPAT	OR	OFF	2001/12/26 14:15
S1 3	6	("2815941"   "2825511"   "2894733"   "2953360"   "3133727"   "5020918"). PN.	USPAT	OR	OFF	2001/12/26 14:16

## EAST Search History

S1 4	4	("2800238"   "3133727"   "4092014"   "4765747"). PN.	USPAT	OR	OFF	2001/12/26 14:16
S1 5	3	("3916605"   "4432499"   "5082188").PN.	USPAT	OR	OFF	2001/12/26 14:16
S1 6	6	("3071848"   "3097547"   "3315340"   "3680838"   "4436446"   "4475726"). PN.	USPAT	OR	OFF	2001/12/26 14:17
S1 7	16	("2016496"   "2997968"   "3197084"   "3208167"   "3214105"   "3584334"   "3610542"   "3675856"   "3749321"   "3782642"   "4142686"   "4214716"   "4227654"   "4325516"   "4469210"   "4477028"). PN.	USPAT	OR	OFF	2001/12/26 14:17
S1 8	2	("2650745"   "2767884"). PN.	USPAT	OR	OFF	2001/12/26 14:18
S1 9	25	("1637678"   "1727672"   "1760374"   "2306245"   "2382040"   "2800238"   "2894733"   "3133727"   "3156451"   "3533563"   "3734472"   "4092014"   "4168805"   "4182592"   "4188132"   "4275033"   "4284247"   "4432499"   "4765747"   "4838704"   "4852817"   "4896970"   "4984900"   "4993502"   "5020918").PN.	USPAT	OR	OFF	2001/12/26 14:18
S2 0	8	("1355093"   "1420021"   "2216612"   "3490705"   "3966128"   "4003502"   "4033515"   "4066216"). PN.	USPAT	OR	OFF	2001/12/26 14:18

## EAST Search History

S2 1	10	("0655967"   "2696977"   "3318486"   "3954210"   "3995836"   "4037827"   "4480927"   "4707140"   "4756626"   "4838598"). PN.	USPAT	OR	OFF	2001/12/26 14:19
S2 2	6	("2676002"   "2786655"   "3346239"   "4474478"   "4500209"   "4922463"). PN.	USPAT	OR	OFF	2001/12/26 14:19
S2 3	9	("0570496"   "0938576"   "1771966"   "2192462"   "3186689"   "3642254"   "3926792"   "4003502"   "4310252").PN.	USPAT	OR	OFF	2001/12/26 14:19
S2 4	11	("4003502"   "4593861"   "5020918"   "5175917"   "5240321"   "5429436"   "5456416"   "5553937"   "5553938"   "5590963"   "5647665"   "2001/0038573").PN.	USPAT	OR	ON	2003/10/02 16:58
S2 5	0	"6409377".URPN.	USPAT	OR	ON	2003/10/02 16:58
S2 6	809	b01f007/24	EPO; JPO; DERWE NT	OR	ON	2003/10/03 12:11
S2 7	478	((366/301) or (366/266)). CCLS.	US-PGP UB; USPAT; USOCR; EPO; JPO; DERWE NT	OR	OFF	2003/10/03 12:29

## EAST Search History

S2 8	25	("1637678"   "1727672"   "1760374"   "2306245"   "2382040"   "2800238"   "2894733"   "3133727"   "3156451"   "3533563"   "3734472"   "4092014"   "4168805"   "4182592"   "4188132"   "4275033"   "4284247"   "4432499"   "4765747"   "4838704"   "4852817"   "4896970"   "4984900"   "4993502"   "5020918").PN.	USPAT	OR	ON	2003/10/03 12:27
S2 9	11	"5240321".URPN.	USPAT	OR	ON	2003/10/03 12:28
S3 0	1340	((366/314) or (366/318) or (366/319) or (366/323)).CCLS.	US-PGP UB; USPAT; USOCR; EPO; JPO; DERWE NT	OR	OFF	2003/10/03 12:30
S3 8	11	("4057295") or ("4188759") or ("4284247") or ("4538949") or ("4896970") or ("5240321") or ("5456416") or ("5615839") or ("5803375") or ("5863122") or ("6000899")).PN.	USPAT; USOCR	OR	OFF	2003/10/27 19:30

## EAST Search History

S3 9	789	((366/314) or (366/603)). CCLS.	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	OFF	2005/03/30 12:11
S4 0	1095	b01f007/24	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	ON	2005/03/30 12:17

## EAST Search History

S4 1	351	("0212232"   "0384719"   "0424808"   "0450237"   "0570496"   "0655967"   "0938576"   "1191673"   "1355093"   "1420021"   "1446639"   "1466499"   "1576018"   "1637678"   "1661863"   "1707999"   "1727672"   "1760374"   "1771966"   "1879928"   "20010038573"   "2016496"   "2113914"   "2192462"   "2216612"   "2236219"   "2306245"   "2382040"   "2542587"   "2551709"   "2648964"   "2659226"   "2676002"   "2696977"   "2746730"   "2786655"   "2800238"   "2815941"   "2825511"   "2836401"   "2864593"   "2885191"   "2894733"   "2896923"   "2951941"   "2953360"   "2980407"   "2997968"   "2999617"   "3039505"   "3071848"   "3097547"   "3129927"   "3133727"   "3156451"   "3185449"   "3186689"   "3197084"   "3199796"   "3208167"   "3214105"   "3231034"   "3254878"   "3263969"   "3315340"   "3318486"   "3325106"   "3339759"   "3346239"   "3346240"   "3369762"   "3385985"   "3421740"   "3490705"   "3517567"   "3533563"   "3552722"   "3584334"   "3589684"   "3610542"   "3642254"   "3667734"   "3672640"   "3678856"   "3680856"   "3720477"   "3724472"	US-PGP UB; USPAT; USOCR	OR	ON	2005/03/30 13:59
6/5/06 6:23:59 PM C:\Documents and Settings\sc706417\Documents\EAST\workspaces\10816783.wsp						Page 14

## EAST Search History

S4 2	78	("1576018"   "1707999"   "1734632"   "2650745"   "2767884"   "2896923"   "3133727"   "3185449"   "3369762"   "3589684"   "3667734"   "3780993"   "3840189").PN. OR ("2001/0038573"   "2002/0021618"   "2002/0021619"   "2002/0071338"   "2002/0071343"   "2002/0131327"   "2002/0176321"   "2003/0002386"   "2003/0146317"   "2003/0169639"   "2003/0223308"   "2003/0235109"   "2004/0008575"   "2004/0013035"   "2004/0017729"   "2004/0071045"   "2004/0090860"   "2004/0136264"   "2004/0179426"   "2004/0252583"   "2005/0036402"   "2005/0047273"   "2005/0058017"   "2005/0063249"   "2650745"   "3185449"   "3997146"   "4003502"   "4026528").URPN.	US-PGP UB; USPAT; USOCR	OR	ON	2005/03/30 14:13
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## EAST Search History

S4 3	510	(366/192).CCLS.	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	OFF	2005/03/30 14:26
S4 4	1530	(222/556-557).CCLS.	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	OFF	2005/03/30 14:27
S4 5	195	S44 and (worm or auger or screw or helix or helical)	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	ON	2005/03/30 14:27
S4 7	319	(366/196).CCLS.	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	OFF	2005/03/30 16:01
S4 8	2954	((366/307) or (366/302) or (366/306) or (366/603) or (366/314) or (366/318)).CCLS.	US-PGP UB; USPAT; USOCR; EPO; JPO; DERWE NT	OR	OFF	2006/02/14 15:38



## EAST Search History

S4 9	37	S48 and @py="2005"	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	ON	2006/02/14 15:40
S5 0	1144	b01f007/24	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	ON	2005/11/18 13:08
S5 1	88	S50 and @py="2005"	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	ON	2005/11/18 13:55
S5 2	5382	((366/307) or (366/302) or (366/306) or (366/603) or (366/314) or (366/318-324) or (241/101.76) or (241/101. 761) or (241/101.8) or (241/260.1) or (241/605)).CCLS.	US-PGP UB; USPAT; USOCR; EPO; JPO; DERWE NT	OR	OFF	2006/06/05 14:57
S5 3	1156	b01f007/24	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	ON	2006/02/14 15:39

## EAST Search History

S5 4	386	((280/124.11) or (280/124.111)).CCLS.	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	OFF	2006/02/14 15:40
S5 5	73	S52 and @py>="2005"	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	ON	2006/02/14 15:50
S5 6	103	S53 and @py>="2005"	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	ON	2006/02/14 15:41
S5 7	300	(366/141).CCLS.	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	OFF	2006/02/14 15:41
S5 8	3776	S52 and @py<"2005"	US-PGP UB; USPAT; EPO; JPO; DERWE NT	OR	ON	2006/02/14 15:50

## EAST Search History

S6 0	15	("4413789"   "4535943"   "4607802"   "4725007"   "4949916"   "5082188"   "5139314"   "5553938"   "5615839"   "5772131"   "5863122"   "6328465"   "6409376"   "6409377"   "6467945").PN.	US-PGP UB; USPAT; USOCR	OR	ON	2006/02/14 18:10
S6 1	1	("6890092").URPN.	USPAT	OR	ON	2006/02/14 18:12

## EAST Search History

S6 2	89	("0212232"   "1760374"   "2676002"   "2786655"   "2800238"   "2815941"   "2825511"   "2864593"   "2894733"   "2896923"   "2980407"   "3071848"   "3097547"   "3133727"   "3263969"   "3315340"   "3667734"   "3680838"   "3780993"   "3997146"   "4003502"   "4092014"   "4134690"   "4413789"   "4432499"   "4436446"   "4474478"   "4475726"   "4509862"   "4535943"   "4607802"   "4725007"   "4765747"   "4949916"   "4984900"   "5020918"   "5072825"   "5082188"   "5139314"   "5143221"   "5143449"   "5154510"   "5175917"   "5240321"   "5294064"   "5429436"   "5462354"   "5553938"   "5615839"   "5772131"   "5863122"   "6328465"   "6409376"   "6409377"   "6467945").PN. OR ("5175917"   "5429436"   "5553937"   "5553938"   "6890092").URPN.	US-PGP UB; USPAT; USOCR	OR	ON	2006/02/14 18:12
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